

A. Amendments to the Claims

Claim 1. (Currently amended) A method for making nanoscale powders comprising:

selecting a precursor mixture wherein[?] the mixture comprises at least one metal containing precursor;

the metal containing precursor has an average molecular weight of less than 2000 grams per unit mol of the metal[.];

the metal containing precursor has a normal boiling point greater than 350K; [, and]

a viscosity of the precursor mixture is between 0.1 to 250 cP; [and]

processing the precursor mixture under conditions that produce [the fine] nanoscale powder from the precursor mixture; and

quenching the nanoscale powder using Joule Thompson quench.

Claim 2. (Currently amended) The method of claim 1 wherein the [a] metal content in the precursor mixture is greater than 22% by weight.

Claim 3. (Original) The method of claim 1 wherein the act of processing the precursor mixture comprises reacting the precursor mixture with oxygen.

Claim 4. (Original) The method of claim 3 wherein heat released during the precursor mixture's reaction with oxygen is on average greater than 1 kJ per liter of precursor mixture.

Claim 5. (Cancelled)

Claim 6. (Original) The method of claim 1 wherein the precursor mixture comprises at least two metal containing precursors.

Claim 7. (Original) The method of claim 1 wherein the precursor mixture comprises water.

Claim 8. (Original) The method of claim 1 wherein the precursor mixture comprises a hydrocarbon.

Claim 9. (Currently Amended) The method of claim 1, wherein the precursor mixture comprises an acetate [fine powder produced is a nanoscale powder].

Claim 20. (New) The method of claim 1, wherein the precursor mixture comprises an alkanoate.

Claim 21. (New) A product comprising of nanoscale powders prepared by the method of claim 1.

Q,